

AMENDMENT

Amendments to the Claims

The claims are amended as shown on the following pages under the heading LIST OF CURRENT CLAIMS. The list shows the status of all claims presently in the application including any current amendments. This list of claims is intended to supersede all prior versions of the claims in the application. Any cancellation of claims is made without prejudice or disclaimer.

LIST OF CURRENT CLAIMS

1. (Currently Amended) An electronic apparatus with natural convection structure, comprising:

a main body to be placed on a surface, said main body having an airflow channel piercing through said main body from an opening defined in a top surface of the main body to an opening defined in a bottom surface ~~thereof~~ of the main body, wherein said airflow channel is formed by an inner wall extending from the opening in said top surface to the opening in said bottom surface; and

a supporting device disposed on said bottom surface of said main body;

whereby a convective airflow through said airflow channel is enabled.

2. (Previously presented) The electronic apparatus according to claim 1 further comprising at least a printed circuit board disposed in said main body and having an opening, wherein the centroids of said opening and said airflow channel are positioned at the same axis vertical to said top surface and said bottom surface.

3. (Previously presented) The electronic apparatus according to claim 2 wherein said electronic apparatus has plural said airflow channels, and said printed circuit board has plural said openings correspondingly.

4. (Original) The electronic apparatus according to claim 1 wherein said supporting device has a specific height varying with the size of said electronic apparatus, and said specific height is at least 3 mm.

5. (Original) The electronic apparatus according to claim 1 wherein said electronic apparatus is a power adapter or a power supply.

6. (Previously presented) The electronic apparatus according to claim 1 wherein the distances from said airflow channel to the edges of said main body are substantially equal.

7. (Withdrawn) The electronic apparatus according to claim 1 wherein said airflow channel has an opening at one side of said main body.

8. (Previously presented) The electronic apparatus according to claim 1 wherein said main body and said airflow channel are integrally formed.

9. (Withdrawn) The electronic apparatus according to claim 1 wherein said bottom surface of said main body has a curve structure.

10. (Withdrawn) An electronic apparatus with natural convection structure, comprising:

a main body to be placed on a surface, said main body having a top surface and a bottom surface and having an airflow channel piercing through said main body from said top surface to said bottom surface, wherein said bottom surface has a curve structure.

11. (Withdrawn) The electronic apparatus according to claim 10 further comprising at least a printed circuit board disposed in said main body and having an opening, wherein the centroids of said opening and said airflow channel are positioned at the same axis vertical to said top surface and said bottom surface.

12. (Withdrawn) The electronic apparatus according to claim 11 wherein said electronic apparatus has plural said airflow channels, and said printed circuit board has plural said openings correspondingly.

13. (Withdrawn) The electronic apparatus according to claim 10 wherein said curve structure has a specific height varying with the size of said electronic apparatus, and said specific height is at least 3 mm.

14. (Withdrawn) The electronic apparatus according to claim 10 wherein said electronic apparatus is a power adapter or a power supply.

15. (Withdrawn) The electronic apparatus according to claim 10 wherein the distances from said airflow channel to the edges of said main body are substantially equal.

16. (Withdrawn) The electronic apparatus according to claim 10 wherein said airflow channel has an opening at one side of said main body.

17. (Withdrawn) The electronic apparatus according to claim 10 wherein said main body and said airflow channel are integrally formed.

18. (Withdrawn) The electronic apparatus according to claim 10 further comprising a supporting device disposed on said bottom surface of said main body.

19. (Withdrawn) An electronic apparatus with natural convection structure, comprising:

a main body to be placed on a surface, said main body having a top surface and a bottom surface and having an airflow channel piercing through said main body from said top surface to said bottom surface, wherein said bottom surface has a curve structure; and

a supporting device disposed on said bottom surface of said main body.

Application No.: 10/676,115
Examiner: Hung S. BUI
Art Unit: 2841

20. (Withdrawn) The electronic apparatus according to claim 19 wherein said curve structure combined with said supporting device has a specific height varying with the size of said electronic apparatus, and said specific height is at least 3 mm.